BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS TO ROADS AND DRAINS AT BALANCE PORTION IN KONDAPPA LAYOUT HOWDESHWARI LAYOUT YELAHANKA OLD TOWN AND SURROUNDING AREAS IN WARD NO.02 OF ELAHANKA SUB-DIVISION

Estimate Cost Rs. 50.00 Lakhs

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
KSRB 2-2.1 : **Earth work excavation** for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)								
	Cum							
Kondappa Layout Roads		1	157.00	1.00	1.05	164.85		
		1	270.00	1.00	1.00	270.00		
for Culverts		1	6.00	1.85	1.40	15.54		
		3	5.00	1.50	1.25	28.13		
						478.52	200.34	**95865.70**
Basic Rate	189.00							
Area Weightage @ 6%	11.34							
Total	200.34							
KSRRB M200-24:- dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces no exceeding 0.02 Cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials separately complete as per specifications. MORTH specifications. No. 202, (P.No. 138/ Item No. 18.47)								
yelehanka old town area	Cum							
Masjid back side		1	17.00	9.00	0.20	30.60		
		1	18.00	6.00	0.20	21.60		
Cross Road		1	100.00	4.00	0.20	80.00		
						132.20	827.86	**109443.09**
Basic Rate	781.00							
Area Weightage @ 6%	46.86							
Total	**827.86**							
KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)								
or Road	Cum							
elehanka old town area		1	17.00	9.00	0.20	30.60		
Masjid back side		1	18.00	6.00	0.20	21.60		
Cross Road		1	100.00	4.00	0.20	80.00		

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
						132.20	166.42	22000.72
Basic Rate	157.00							
Area Weightage @ 6%	9.42							
Total	**166.42**							
KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
	Cum							
				Qty Vide Item No.1+2+3		742.92	100.00	74291.50
Average Weight of Earth 1.28 Tonne/Km								
Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
Add loading and unloading Item No 17.1)	68.00							
Total	**100.00**							
KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
	Cum							
Kondappa Layout Roads		1	157.00	1.00	0.15	23.55		
		1	270.00	1.00	0.15	40.50		
yelehanka old town area		1	17.00	9.00	0.15	22.95		
Masjid back side		1	18.00	6.00	0.15	16.20		
for Culverts		1	6.00	1.85	0.15	1.67		
		3	5.00	1.50	0.15	3.38		
Cross Road		1	100.00	4.00	0.15	60.00		
						168.24	5159.02	867953.52
Basic Rate	4867.00							
Area Weightage @ 6%	292.02							
Total	**5159.02**							
KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)								
	Cum							
for culverts		2	6.00	0.60	1.00	7.20		
						7.20	4438.22	31955.18

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
Basic Rate	4187.00							
Area Weightage @ 6%	251.22							
Total	**4438.22**							
KSRB 15.1.1: Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.112/Item No. 15.1)								
	Sqm							
for Culverts		2	6.00		1.00	12.00		
						12.00	102.82	**1233.84**
Basic Rate	97.00							
Area Weightage @ 6%	5.82							
Total	**102.82**							
KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1.4.2.(P No. 13 / Item No.4.7)								
for Culverts	Cum							
		1	6.00	0.60	0.10	0.36		
		2	6.00	0.60	0.10	0.72		
		1	6.00	0.90	0.15	0.81		
						1.89	5598.92	**10581.96**
Basic Rate	5282.00							
Area Weightage @ 6%	316.92							
Total	**5598.92**							
Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC cement at 300kgs. with 20mm and down size granite metal coarse aggregates at 0.69cum and fine aggregates at 0.43cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No.1500, 1700, 2200, -do- Wall and bottom thickness 15cm (P.No.265 / It.No.37.59)								
	Cum							
ed for Drain		1	157.00	1.00	0.15	23.55		
		1	270.00	1.00	0.15	40.50		
ide wall		2	157.00	0.15	0.60	28.26		
		2	270.00	0.15	0.60	48.60		
ed for Culvert		3	5.00	1.50	0.15	3.38		
ide wall		6	5.00	0.20	0.75	4.50		
						148.79	11032.48	**1641467.54**
Basic Rate	10408.00							
Area Weightage @ 6%	624.48							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
Total	**11032.48**							
KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 -do- TMT Bars Fe 500 P.17/It.No.4.46.2								
	tonne							
	60% of Qty Vide Item no.6					in Qtl	89.2710	
						in tonne	**8.9271**	74915.50	**668778.16**
Basic Rate	70675.00							
Area Weightage @ 6%	4240.50							
Total	**74915.50**							
Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20** mm and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
	Sqm							
		1	157.00	0.90		141.30		
		1	270.00	0.90		243.00		
						384.30	2100.00	**807030.00**
Data Rate	**2100.00**							
Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete **(RMC)** M20 for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, for raft foundation, column footing, main and secondary beams with all lead and lifts etc.,complete (exclusive of cost of steel and fabrication charges.) Page No.18 / Item No. 4.48)								
for road	Cum							
yelehanka old town area		1	17.00	9.00	0.125	19.13		
Masjid back side		1	18.00	6.00	0.125	13.50		
Cross Road		1	100.00	4.00	0.125	50.00		
						82.63	6231.74	**514897.52**
Basic Rate	5879.00							
Area Weightage @ 6%	352.74							
Total	**6231.74**							
Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift (P.177/ I.22.7)								
or road	Sqm							
elehanka old town area		1	17.00	9.00		153.00		
Masjid back side		1	18.00	6.00		108.00		
Cross Road		1	100.00	4.00		400.00		
						661.00	95.40	**63059.40**
Basic Rate	90.00							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
Area Weightage @ 6%	5.40							
Total	95.40							
Providing Groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine generator and HOM of machinery including cost of blade, coolant etc., including cleaning aof groove & providing sand and hot bitumen fillars and filler metal etc.,including cost of conveyance of all materials, labour,lead and lift charges and as per drawing and as per specifications, MORTH specification. (P.178/ I.22.8)								
for road	m							
		18	4.00			72.00		
						72.00	121.90	8776.80
Basic Rate	115.00							
Area Weightage @ 6%	6.90							
Total	121.90							
Providing and fixing **RCC precast Slabs of 0.20 m thick of CC 1:2:4 with 20** mm and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
	Sqm							
for Culverts		3	5.00	1.20		18.00		
						18.00	4402.79	79250.22
Data Rate	4402.79							
Miscellaneous and unforeseen charges								3415.00
						Grand Total Amount		5000000.00

(Rupees Fifty Lakhs Only)

TIFICATE

The site has been inspected and the work is found to be necessary.
The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
The provisions were made in this estimate are necessary and adequate.
The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.02

Executive Engineer
Yelahanka Division
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

ADMINISTRATIVELY SANCTIONED FOR Rs. 50.00 lacs

Rupees Fifty lacs only

Under Job No -002-18-000002

Registered as EE ( )

Subject to conditions contained in enclosed memo EE ( ) No

Dt Estimate A/S

No 59/17-18

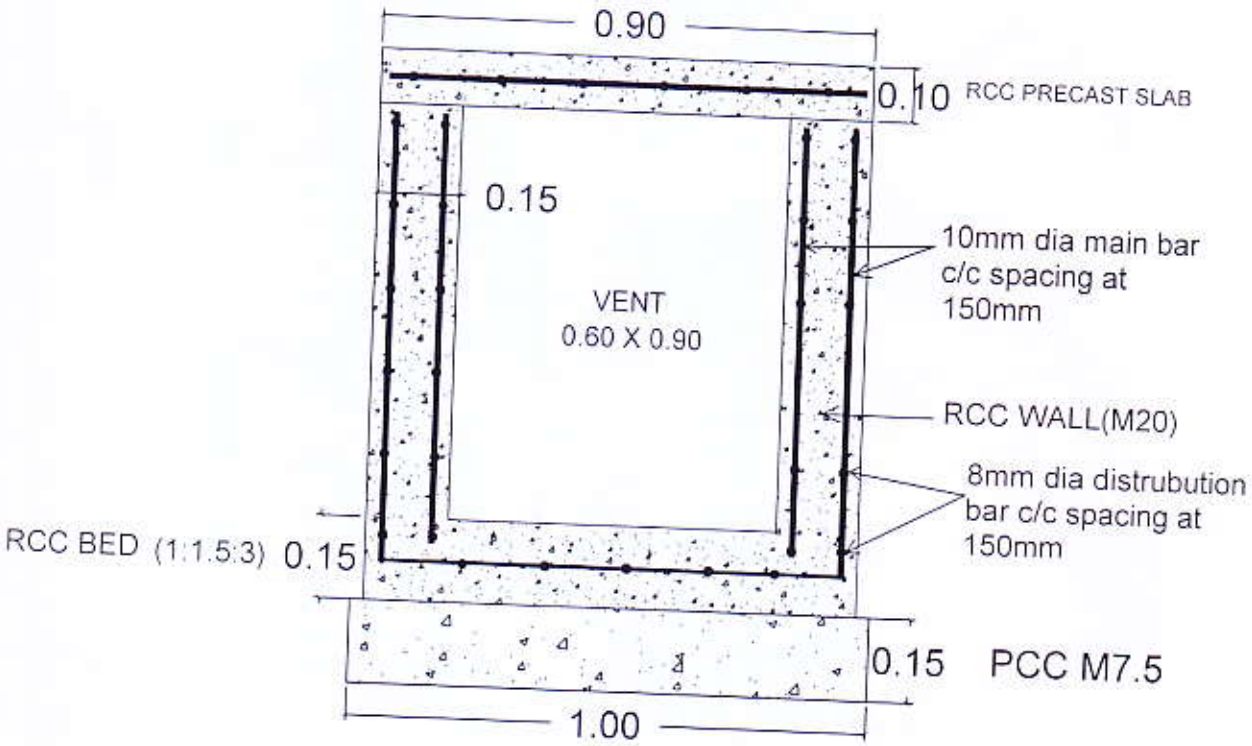
dated 27-12-2017 Rs 50.00 lacs

Technical Sanction
Accorded For 50.00 lakh Rs.
Head of A/C P3332
CER No 434 Dt. 27/12/17

TA CE (YNK)

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

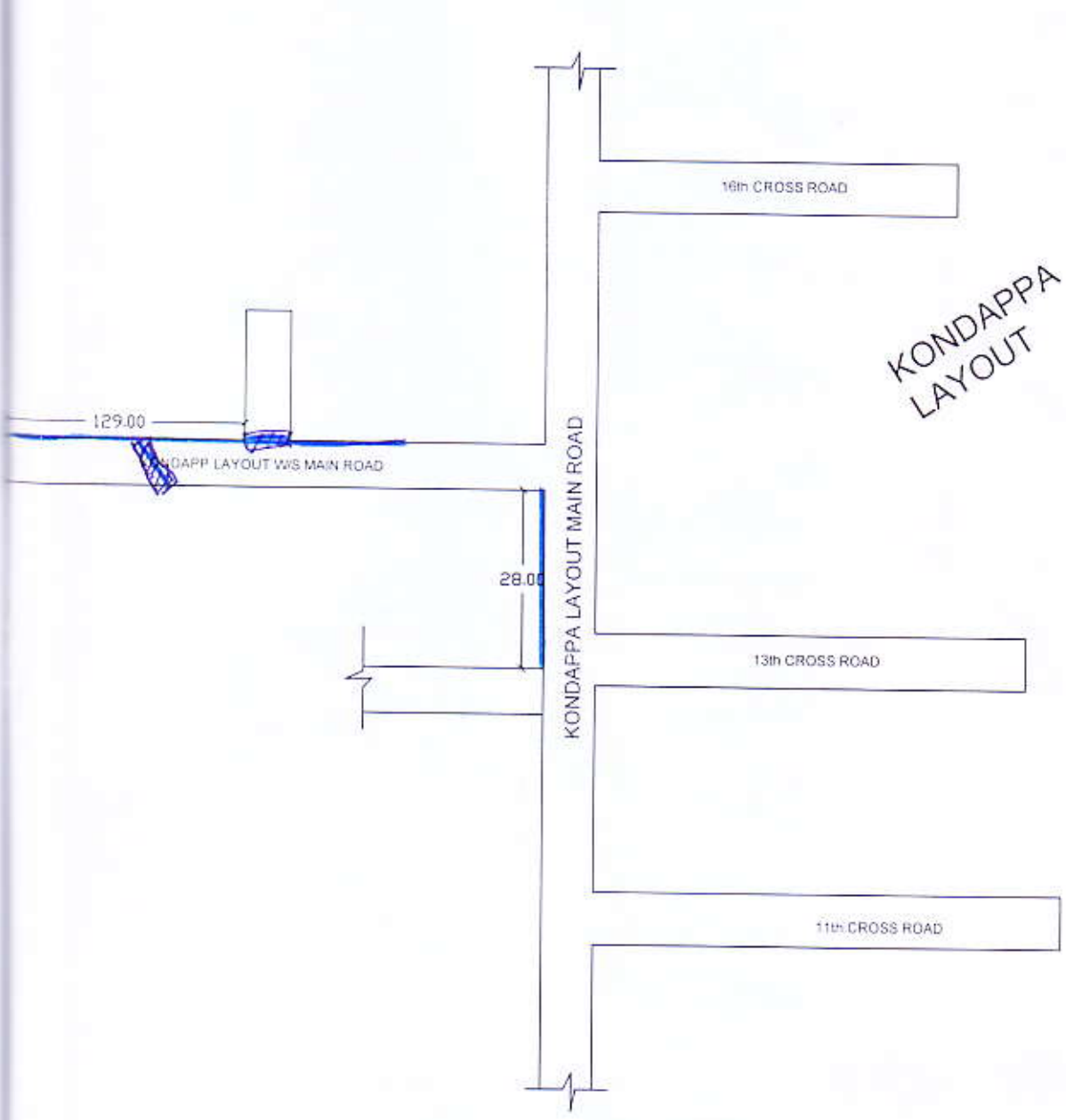
NAME OF WORK : IMPROVEMENTS TO ROADS AND DRAINS AT BALANCE PORTION IN KONDAPPA LAYOUT CHOWDESHWARI LAYOUT YELAHANKA OLD TOWN AND SURROUNDING AREAS IN WARD NO.02 OF YELAHANKA SUB-DIVISION



CROSS SECTION OF RCC DRAIN

NAME OF WORK : IMPROVEMENTS TO ROADS AND DRAINS AT BALANCE PORTION IN KONDAPPA LAYOUT CHOWDESHWARI LAYOUT YELAHANKA OLD TOWN AND SURROUNDING AREAS IN WARD NO.02 OF YELAHANKA SUB-DIVISION

KEY : NOT TO SCALE



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– RCC DRAIN

– RCC CULVERT

Assistant Engineer
Ward No.02
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

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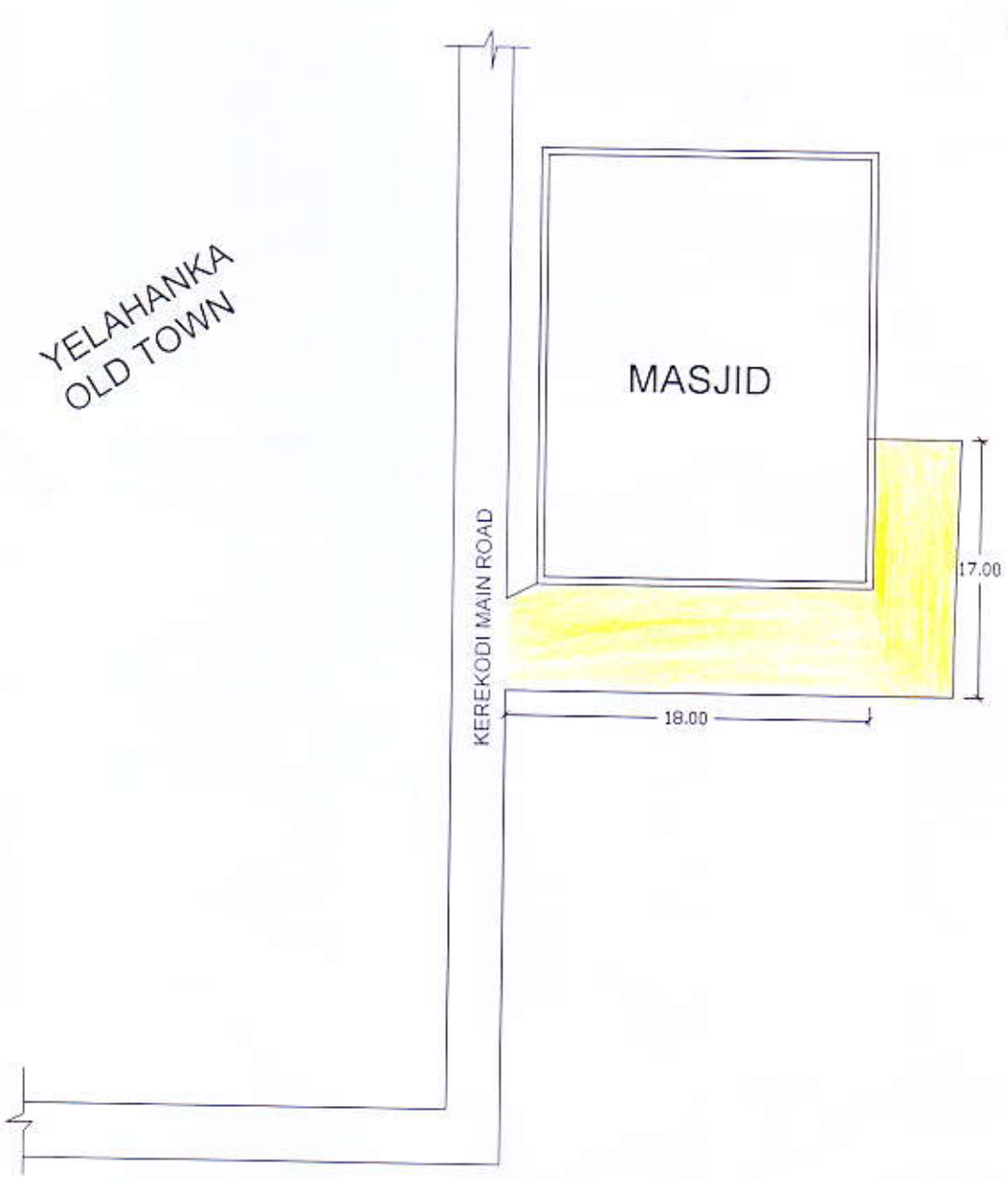

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– CC ROAD

Assistant Engineer
Ward No.02
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P